



CHEMISTRY

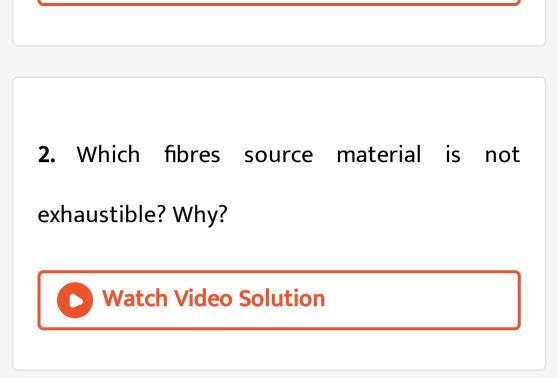
NCERT - NCERT Chemistry(Telugu)

SYNTHETIC FIBRES AND PLASTICS

Think And Discuss

1. What made the human beings to search for

the alternative for natural fibres?



3. How synthetic fibres evolved to the present

position?

4. What will happen, if we use cotton ropes in

preparing parachutes?

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5. Traditionally fishermen used cotton nets. Now they are using nylon nets. What is the advantage of using nylon nets?



6. Nylon sarees are much better than cotton

sarees. Why?

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7. What characteristics make rayon better than

natural silk?



8. If you want ot purchase a door mat made of

synthetic fibre, which synthetic fibre door mat

will you select? Why?



9. If sanitary diapers and bandages are made

of nylon, what will happen?



10. Which type of blended fabric do you find

more comfortable in winter? Why?

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11. The fabrics namely natural, synthetic and blended are available for garments. Which fabrics will you prefer to wear for rare occassions like functions and in routine? Why?



12. Which fabrics do you prefer? Natural or

synthetic? Why? Discuss comparatively.



13. What is the different between washing of

clothes at home and washing by dry cleaning?

14. Certain fry pans are said to be non-stick.

What made them non stick?

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15. Firemen wear dress which does not catch

fire. How is it possible?

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Improve Your Learning

1. Take hair, wool, silk, paper, cotton thread, piece of plastic, thread of sweater, piece of rope and carefully conduct a flame test. Based on smell and type of melting, classify them as natural or artificial fibres.

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2. How synthetic fibres changed our everyday

life?

3. Explain why some fibres are called synthetic?



4. Prepare a table of various synthetic fibres

which are used to make household articles

from them?



5. Nibha wants to buy clothes to parents for winter wear. What type of clothes would you suggest? Specify reasons.



6. Give resons why plastic containers are used

as storage devices?



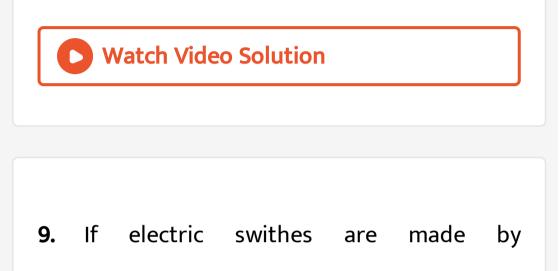
7. Explain the differences between thermoplastics and thermosetting plastics with the help of a diagram explaning interms of arrangements of monomers.

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8. Classify following material which can be, cannot be recycled? Plastic toys, electrical swithces, plastic chairs, carry bags, tumblers,

tooth brush plastic chapels, plastic plates,

plastic buckets.



thermoplastics what would happens?

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10. Thermoplastics are eco friendly then thermosetting plastics. What do you say Why?



11. Prepare a chart which can explain recycling codes, full names and acronym of. plastic and its usage for various household articles, recycled or not, if recycled what will be made from that ?



12. If plastic is not properly disposed, what

could be the consequences?

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13. Explain following. (AS_1)

a) Blending b) Biodegradable c) Recycling d)

Decomposition

14. Introduction of synthetic fibres in the textile industry brought revolutionary change across the world in the dressing patterns irrespective of culture and customs. How do you apppreciate this ?

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15. Indiscriminate usage of plastic is a serious

threat to bio-diversity, What are the efforts of

Government

organizations in this regard?



16. Where do we use the process of recycling?

How is it useful? Give examples.

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Improve Your Learning Match The Following

- **1.** Match the following. (AS_1)
- i) Polyester (a) kitchenware
- ii) PET (b) artificial silk
- iii) Rayon c) many monomers
- iv) Nylon d) electric switches
- v) Melamine f) Code 1
- vi) Polythene g) popular dress material
- vii) Bakelite h) stronger than any fiber



Improve Your Learning Fill In The Blanks

1. Fill in the blanks.

Synthetic fibres are also called as......fibres.

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2. Fill in the blanks.

Synthetic fibres are also called as......fibres.

3. Fill in the blanks.

Like synthetic fibre, plastic also......

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4. Fill in the blanks.

Clothing lables are......

A. Required by law

B. Identify fabric content

C. Both a and b

D. None of the above

Answer:

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5. Fill in the blanks.

Rayon is made of.....

A. Coal

B. Oxygen

C. Flaxd

D. Cellulose

Answer:

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6. Fill in the blanks.

A silk fibre's smoth absorbs light.....